

## ABSTRACT

**[0048]** Disclosed herein is an audible alarm relay system comprising a microphone for converting environmental sounds to electrical sound signals; processing circuitry for receiving the electrical sound signals, sampling the sound signals, and analyzing the sampled sound signals to determine if the sampled sound signals contain a sound pattern that matches a stored sound pattern; and an output device for notifying a user that the sampled sound signal contains a sound pattern that matches a stored sound pattern.